## AMENDMENTS TO THE ABSTRACT

Please replace the current abstract with the replacement abstract provided on a separate sheet.

## ABSTRACT

~~The~~ A standard model creating apparatus which provides a high-precision standard model used ~~for:~~ for pattern recognition such as speech recognition, character recognition, or image recognition using a probability model based on a hidden Markov model, Bayesian theory, or linear discrimination analysis; intention interpretation using a probability model such as a Bayesian net; data-mining performed using a probability model; and so forth. ~~forth, the~~ The standard model creating apparatus ~~comprising:~~ includes a reference model preparing unit ~~(102)~~ ~~operable to prepare at least one~~ that prepares at least one reference model; a reference model storing unit ~~(103)~~ ~~operable to store~~ that stores the reference model ~~(121)~~ prepared by the reference model preparing unit ~~(102)~~; and a standard model creating unit ~~(104)~~ ~~operable to create~~ that creates a standard model ~~(122)~~ by calculating statistics of the standard model so as to maximize or locally maximize the probability or likelihood with respect to the ~~at least one~~ reference model stored in the reference model storing unit ~~(103)~~.

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